

L1 ANSWER 14 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
AB The compds. HOCOCMe(NH2)CH2R1OR2RE (R1 = single bond, phenylene,
indolediyl; R2 = C1-7 alkyl; RE = 123I, 125I, 18F) or their
pharmaceutically acceptable salts are prepared by reaction of
PG1OCOCMe(NHPG2)CH2R1OR2OR3 (R1, R2 = same as above; R3 = leaving group;
PG1, PG2 = protecting group) with RE salt (RE = same as above) and
deprotection. A tumor is imaged with the compds. using positron emission
tomog. or single photon emission computed tomog. N-tert-butyloxycarbonyl-
O-(3-tosylpropyl)- α -methyltyrosine Me ester was reacted with
K18F-Kryptofix 222 complex in acetonitrile at 95° for 15 min and
treated with F3CCO2H at room temperature for 20 min to give 3-18F-
fluoropropyl- α - methyltyrosine which was
administered to Fisher 344 tumor-bearing rats, resulting in increase of
bone uptake after 2 h.

AN 2003:168536 CAPLUS
DN 138:205340
TI Preparation of [18F]**fluoropropyl- α - methyltyrosines**
as contrast agents in tomography and their intermediates
IN Tanaka, Akira; Inoue, Tomio; Tomiyoshi, Katsumi; Yang, David J.; Kim, E.
Edmond
PA Sumitomo Heavy Industries, Ltd., Japan; The University of Texas M.D.
Anderson Cancer Center
SO Jpn. Kokai Tokkyo Koho, 33 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2003064046	A2	20030305	JP 2002-161471	20020603
	US 2003124059	A1	20030703	US 2001-872156	20010604
	CN 1401629	A	20030312	CN 2002-122255	20020604
PRAI	US 2001-872156	A	20010604		
OS	MARPAT 138:205340				

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FILE 'CAPLUS' ENTERED AT 15:48:41 ON 25 MAY 2004

L1 36 S (FLUOROETHYL OR FLUOROPROPYL OR FLUOROMETHYL) (10A) (TYROSINE O
L2 7 S (FLUOROETHYL OR FLUOROPROPYL OR FLUOROMETHYL) (10A) METHYL (10A)
L3 0 S L2 NOT L1
L4 1 S (FLUOROETHYL OR FLUOROPROPYL OR FLUOROMETHYL OR FLUOROALKYL) (

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L1
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BRS form IS&R form Image Text HTML

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Err
1	IS&R	L1	1	("4925651").PN.	USPAT	2004/05/25 15:39			0
2	BRS	L2	2	(fluoroethyl or fluoropropyl or fluoromethyl) near10 methyl near10 (tyrosine or	USPAT	2004/05/25 15:41			0
3	BRS	L3	8	(fluoroethyl or fluoropropyl or fluoromethyl) near10 (tyrosine or	USPAT	2004/05/25 15:41			0

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